

Please amend the application as follows:

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-27. Canceled

28. (Previously presented) A substantially non-immunogenic prosthetic device for implantation into a vertebrate subject in a region disposed between and connecting two of the subject's bones, comprising a biocompatible glycosidase-treated matrix material, wherein the device matrix is adapted to have an *in vivo* an outer surface contour substantially the same as that of a region disposed between and connecting two of the subject's bones, wherein the device is a prosthetic ligament comprising a plurality of substantially aligned, elongated filaments,
- (a) wherein the fibrils are present in the matrix at a concentration of about 75 to 100% by dry weight, and
  - (b) wherein polysaccharide molecules in the matrix are present at a concentration of about 0 to 25% by dry weight.

29-56. Canceled

57. (Previously presented) A substantially non-immunogenic prosthetic device for implantation into a vertebrate subject in a region disposed between and connecting two of the subject's bones, comprising a biocompatible glycosidase-treated matrix material, wherein the device matrix is adapted to have an *in vivo* an outer surface contour substantially the same as that of a region disposed between and connecting two of the subject's bones, wherein the device is a prosthetic articular cartilage device adapted to have an *in vivo* outer surface contour substantially the same as that of natural articular cartilage, further comprising a biocompatible conical base component including an

anchor for anchoring the articular cartilage device in a complimentary aperture in cancellous bone, the base component extending from portions of the outer surface of the matrix.

58. (Original) The device of claim 57, wherein the base component is at least partially resorbable.
59. (Original) The device of claim 57, wherein the base component includes a plurality of circumferentially extending ridges.
60. (Original) The device of claim 57, wherin the base component is composed of a composite material, comprising:
  - (a) a dispersion of collagen and a
  - (b) composition which is selected from the group consisting of tricalcium phosphate, hydroxyapatite, and a combination of tricalcium phosphate and hydroxyapatite.
61. (Original) The device of claim 60, wherein the dispersion comprises about 90% by weight tricalcium phosphate and about 10% by weight collagen.
62. (Original) The device of claim 60, wherein the dispersion comprises about 90% by weight hydroxyapatite and about 10% by weight collagen.

63- 87. Canceled